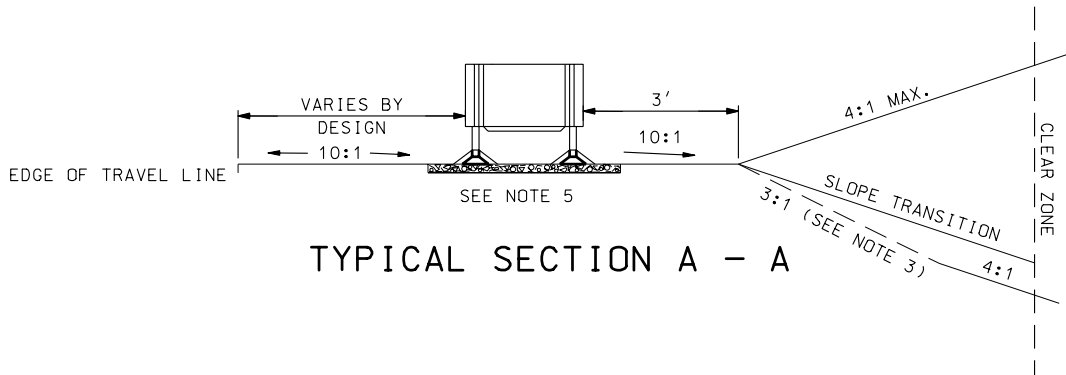
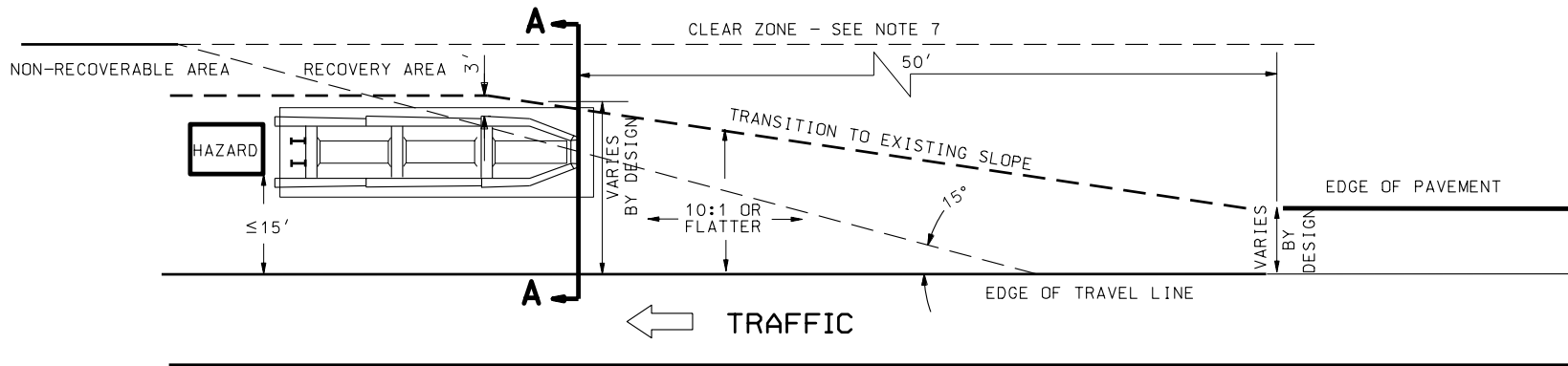
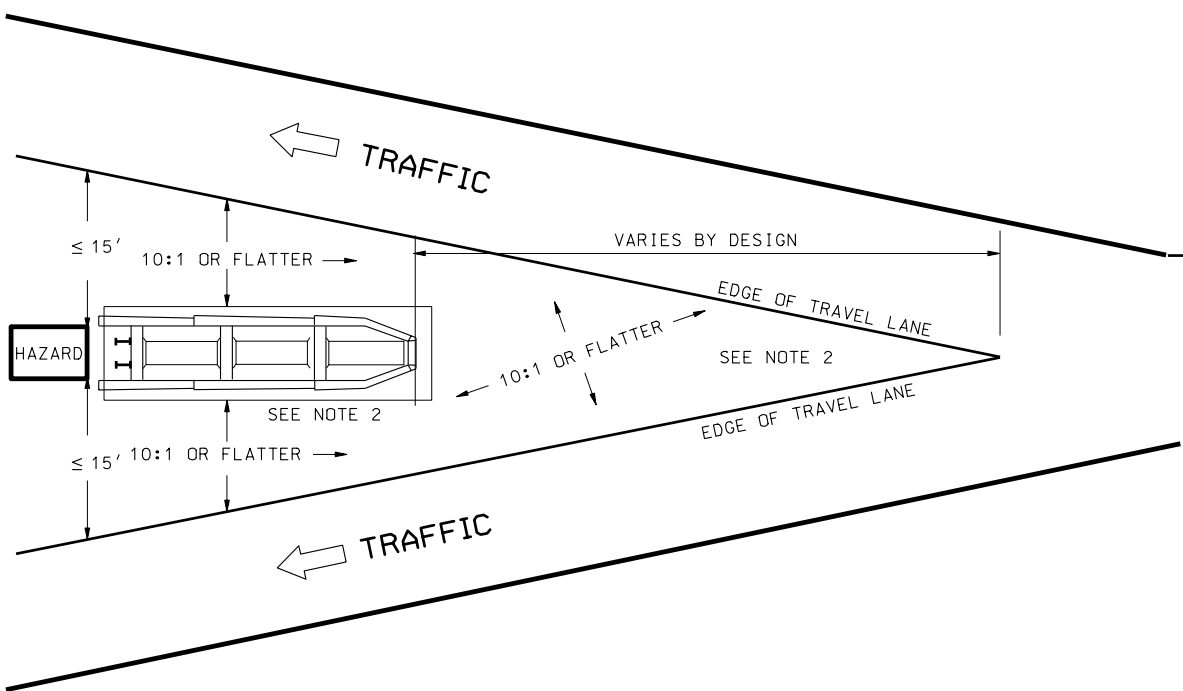


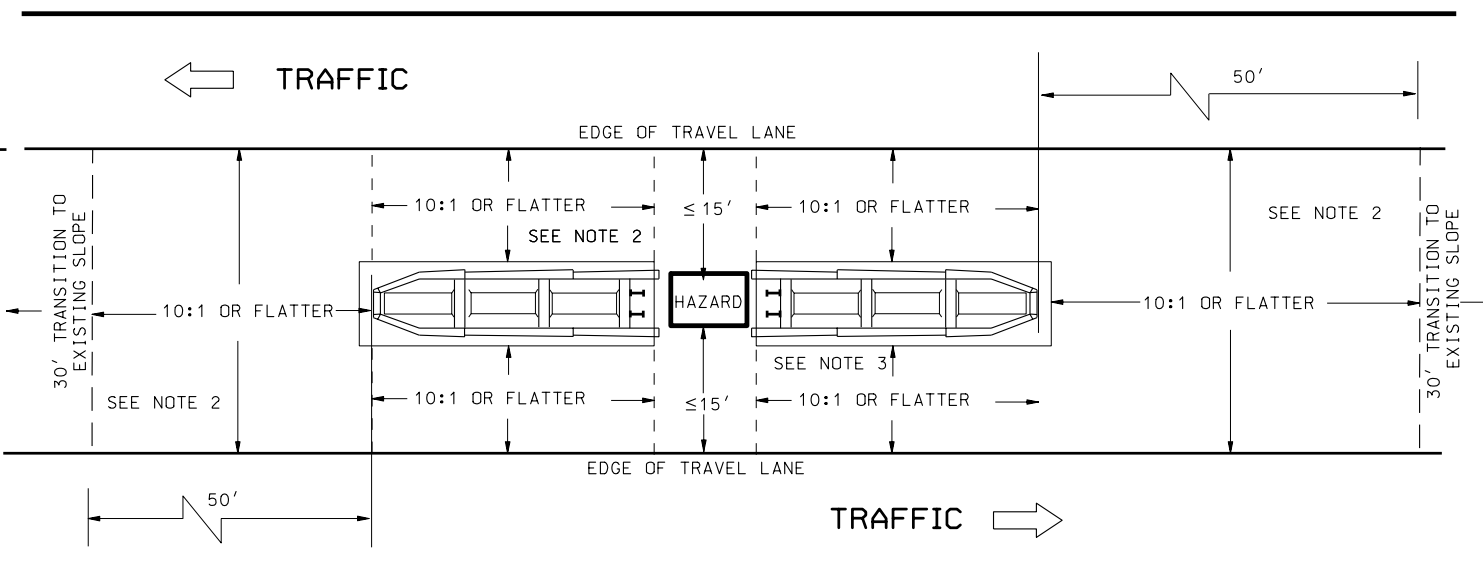
SHOULDER APPLICATION



GORE APPLICATION AREA



MEDIAN APPLICATION



NOTES:

1. CRASH CUSHION TYPE A: QUADGUARD, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, TO PROTECT HAZARDS FROM 37 INCHES TO 90 INCHES.

CRASH CUSHION TYPE B: QUADGUARD, MANUFACTURED BY ENERGY
ABSORPTION SYSTEMS, TO PROTECT HAZARDS UP TO 36 INCHES.

CRASH CUSHION TYPE D: QUADGUARD ELITE AND QUADGUARD LMC,
MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, AND REACT 350,
MANUFACTURED BY ROADWAY SAFETY SERVICES.
TYPE D SYSTEMS PROTECT HAZARDS UP TO 90 INCHES IN WIDTH.
TYPE D SYSTEMS ARE USED WHERE ONE OR MORE
IMPACTS PER YEAR ARE ANTICIPATED, OR WHEN REPAIR HISTORY
INDICATES TWO OR MORE IMPACTS OVER A THREE YEAR PERIOD.

2. ALL APPLICATIONS REQUIRE THE USE OF A 10:1 SLOPE OR FLATTER TO THE FRONT AND SIDE APPROACHES. USE A 10:2 OR FLATTER SLOPE AT THE REAR OF THE SYSTEM WHEN TRAFFIC ALSO APPROACHES FROM THE REAR OF THE SYSTEM.
3. USE A 4:1 OR FLATTER FILL SLOPE AND A RECOVERY AREA IF IMPRACTICAL, USE A MAXIMUM 3:1 FILL SLOPE AND A RECOVERY AREA ESTABLISHED AT THE TOE OF 3:1 FILL SLOPE. WHEN USED WITH A CUT SLOPE, A 4:1 OR FLATTER CUT IS REQUIRED IN THE RECOVERY AREA.
4. USE A TRANSITION ELEMENT, AS PER MANUFACTURER'S SPECIFICATIONS, WHEN TRAFFIC APPROACHES THE REAR OF SYSTEM.
5. USE MANUFACTURER'S SPECIFICATIONS FOR PAD AND BACKUP REQUIREMENTS.
6. INSTALL PROPER MARKINGS AS PER STD DWG CC 1.
7. MAINTAIN AASHTO CLEAR ZONE REQUIREMENTS.

REVISIONS					
NO.	DATE	APPR.	REMARKS		

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL

CHAIRMAN STANDARDS COMMITTEE	DATE
<i>[Signature]</i>	JAN. 01, 2005

[Signature]
DEPUTY DIRECTOR

DETAILS FOR PLACEMENT CRASH CUSHIONS TYPE A, B, AND D

STYLING

STD DWG

CC 4